

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 January 2006 (12.01.2006)

PCT

(10) International Publication Number
WO 2006/003537 A3

(51) International Patent Classification:

GIIB 7/0045 (2006.01) *G06K 7/14* (2006.01)
GIIB 7/005 (2006.01) *GIIC 13/04* (2006.01)
GIIB 7/0033 (2006.01)

Boulevard Haussmann, F-75008 PARIS (FR). **HENDRIKS, Robert, F. M.** [NL/NL]; Société Civile SPID c/o, 156 Boulevard Haussmann, F-75008 PARIS (FR).

(21) International Application Number:

PCT/IB2005/051945

(74) Agent: **CHAFFRAIX, Jean**; Société Civile SPID, 156 Boulevard Haussmann, F-75008 PARIS (FR).

(22) International Filing Date: 13 June 2005 (13.06.2005)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

(26) Publication Language: English

[Continued on next page]

(30) Priority Data:

04300398.7 28 June 2004 (28.06.2004) EP

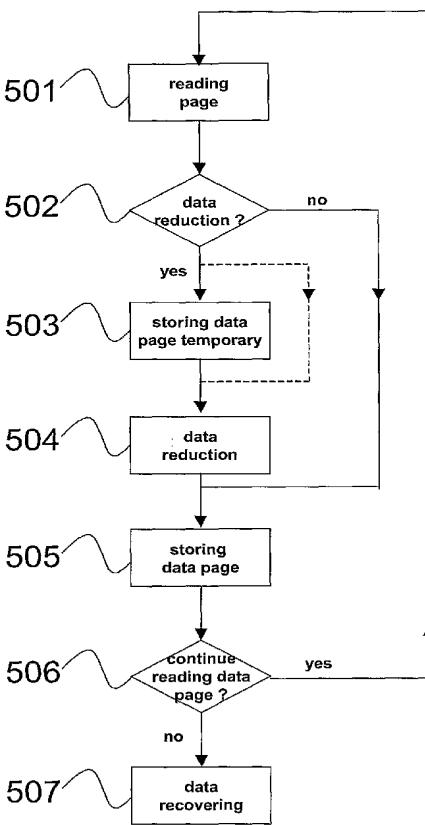
(71) Applicant (*for all designated States except US*): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA EINDHOVEN (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **DE HOOG, Thomas, Jan** [NL/NL]; Société Civile SPID c/o, 156

(54) Title: APPARATUS FOR READING AN INFORMATION CARRIER

(57) Abstract: The invention relates to a method of recovering data from an information carrier having data stored according to data pages, each data page being formed by a set of data being spatially distant from each other, said method comprising the steps of reading (501) at least one data page so as to generate at least one read data page, storing (505) said at least one read data page in a storage memory, recovering (507) data from said at least one read data page stored in said storage memory.



WO 2006/003537 A3



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

(88) Date of publication of the international search report:

3 January 2008

Declaration under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/051945

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/0045 G11B7/005 G11B7/0033 G06K7/14 G11C13/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/007230 A (TRID STORE IP, LLC; LEVICH, EUGENE; MAGNITSKII, SERGEI; MAGNITSKII, NI) 23 January 2003 (2003-01-23) page 1, line 9 - line 12 page 5, line 13 - line 17 page 8, line 1 - line 8 page 9, line 13 - line 22 page 13, line 18 - line 24 page 13, line 28; figures 1,2,5,8 -----	1,5,6, 10-14
A	page 1, line 9 - line 12 page 5, line 13 - line 17 page 8, line 1 - line 8 page 9, line 13 - line 22 page 13, line 18 - line 24 page 13, line 28; figures 1,2,5,8 -----	2-4,7-9
X	WO 02/47074 A (CONSELLATION TRID INC; LEVICH, EUGENE; MAGNITSKII, SERGEI; JAKOBOVICH,) 13 June 2002 (2002-06-13) page 3, line 28 - line 32; figures 1-3 page 4, line 8 - line 10 page 4, line 20 - line 22 page 5, line 1 - line 10 ----- -/-	1,5,6, 10-14

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.^a Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

13 October 2005

25/10/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5518 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Chaumeron, B

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/051945

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 860 275 A (KAKINUMA ET AL) 22 August 1989 (1989-08-22) column 3, line 23 - line 25 column 3, line 46 - line 48 column 3, line 52 - line 63 column 4, line 41 - line 45; figures 3,4 -----	1,6
A	EP 1 050 821 A (SONY CORPORATION) 8 November 2000 (2000-11-08) the whole document -----	1,6
A	US 5 490 260 A (MILLER ET AL) 6 February 1996 (1996-02-06) the whole document -----	1,6

INTERNATIONAL SEARCH REPORT

International Application No PCT/IB2005/051945

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03007230	A	23-01-2003	CN EP JP	1608274 A 1428173 A2 2004535027 T		20-04-2005 16-06-2004 18-11-2004

WO 0247074	A	13-06-2002	AU	2245302 A		18-06-2002

US 4860275	A	22-08-1989	CA DE DE EP	1298652 C 3788688 D1 3788688 T2 0256807 A2		07-04-1992 17-02-1994 28-04-1994 24-02-1988

EP 1050821	A	08-11-2000	CN US	1272028 A 6618789 B1		01-11-2000 09-09-2003

US 5490260	A	06-02-1996	EP	0490239 A2		17-06-1992
